

David Pastor

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Systems Engineer



EXPERIENCE

From 11/2020

THALES ALENIA SPACE (CAPGEMINI), Toulouse **Systems Engineer**

THALES

Capgemini

Systems engineering for MUCF element, in charge of controlling and monitoring Galileo mission.

- Specification of MUCF evolutions
- Technical workshops with customer, synchronization with developing and testing teams
- Implementation of specification tool (Doors)
- Galileo operators training (GSOP)

10/2019 to 05/2020

AIRBUS DEFENSE AND SPACE (freelance for VIVERIS), Toulouse **Systems Engineer**

AIRBUS

VIVERIS

Systems engineering for a security component of EGNOS, the European GPS satellite based augmentation system.

- Specification of an authentication system (sub-system level)
- Technical workshops with customer, needs definition
- Definition of test cases, for security needs

09/2017 to 09/2019

THALES ALENIA SPACE (freelance for VIVERIS), Toulouse **Systems Engineer**

THALES

Space Gate product (IP access through satellite) ground segment systems engineering.

- Definition, Specification of Space Gate evolutions (sub-system level)
- Suppliers follow-up (Broadpeak, Ekinops)
- « Product Owner » of a software component (M&C component) Agile development
- External supplier selection via RFI-RFP process (PEP component)

03/2015 to 03/2017

ESSP, Toulouse **Systems Engineer**



ESSP (**E**uropean **S**atellite **S**ervices **P**rovider) is the service provider of EGNOS, the European GPS satellite based augmentation system.

- Definition, Specification of ESSP needs for future EGNOS versions
- Participation to EGNOS system reviews as ESSP focal point
- Interface between ESSP Experts, GSA (European GNSS Agency), ESA, Telespazio, Thales Alenia Space

02/2013 to 02/2015

AIRBUS (ALTRAN), Toulouse
Project Manager



Management of a 4 people team dedicated to SCI Equipment Design Office activities (A380 & A350).

- Specification, Supplier follow-up (SAGEM), V&V Follow-up
- Technical Support to FAL and Airlines

04/2008 to 01/2013

COLLINS AEROSPACE (AUSY), Toulouse
Systems Engineer



A350 FSA-ng OSF, WACS, IMACS systems engineering.

- Identification of customer needs (Airbus)
- Definition of technical solutions
- Workshops with customer and stakeholders to agree with solutions (including bidding)
- Architecture of system monitoring, "BITE", configuration reporting
- System and Maintenance Specification (SSS, FDS, FMD, ICD, MRD)
- Traceability to Airbus specification, including ABD100

09/2007 to 03/2008

AUSY, Toulouse
Project Manager



Management of a 4 people team dedicated to CMS system verification (Airbus A400M).

- Development of simulators, tests on representative platform
- Project budget monitoring (outsourced fixed-price project)

07/2005 to 08/2007

SAGEM (ALTEN), Massy-Palaiseau
V&V Engineer



Verification of A380 NSS (**N**etwork **S**erver **S**ystem) functionalities.

- Definition of test procedures covering NSS System requirements
- Definition of verification tools, simulators
- Coordination and execution of verification campaigns
- Acceptance Testing with customer (Airbus)

03/2003 to 06/2005

EXSYDE, Paris
Software Developer

EXSYDE was a "startup" enterprise providing Content Management Software (eCatalogs).

- Software Architecture and Development
- Functional testing

2000-2002 (trainings)

ELEMAT, Lyon
Software Architecture & Development (5 months)

SWORD, Nanterre
Software Development (4 months)

MECASOFT, Lyon
Software Development (2 months)

TECHNICAL SKILLS

Aerospace

Norms ABD100, ABD200, DO-178B
Systems Galileo, EGNOS, FSA-ng, NSS, CMS, SCI

Systems Engineering

Tools Doors, ClearQuest, Excel VBA
Methods UML, SysML

Computer Science

OS Linux, Windows
Languages Java, C++, SQL, Python, VB, PHP

EDUCATION

2022 **CAPGEMINI INSTITUTE**, Paris
Business intelligence : from reporting to predictive analysis (1 week)

2016 **EUROCONTROL**, Luxembourg
Global Navigation Satellite System (1 week)

2011 **ENAC**, Toulouse
Aircraft and Air Traffic Control (1 week)

2011 **ORSYS**, Paris
PMI - Project Management (1 week)

1998 to 2002 **INSA**, Lyon
Information Technology Engineering Degree



2 years of Preparatory Level (1 year in "Science and English" section: courses in English)
3 years in Computer Science and Information Technology department

LANGUAGES

French

Native speaker

English

Fluent – Frequent professional and personal use

Spanish

Fluent - Frequent personal use

ACTIVITIES

Sports

Climbing, Badminton, table tennis, running, skiing